

PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 7:

(11) International Publication Number:

WO 00/28506

G09B 23/00 // 23/26, 23/24

ΑI

(43) International Publication Date:

18 May 2000 (18.05.00)

(21) International Application Number:

PCT/NO99/00335

(22) International Filing Date:

5 November 1999 (05.11.99)

(30) Priority Data:

19985267

11 November 1998 (11.11.98) NO

(71)(72) Applicant and Inventor: BREIVIK, Jarle [NO/NO]; Asensvingen 5C, N-0488 Oslo (NO).

(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FL, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DB, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published

With International search report.

Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

(54) Title: SIMULATION OF CHEMICAL INTERACTIONS

(57) Abstract

The present invention provides a system of elements floating in a liquid, which can bind together by temperature dependent ferromagnetic forces, wherein the elements are physically designed to provide certain characteristics to the inter-elemental bindings, and that the magnetic forces are controlled by temperature. The magnetic Interactions involve materials with Curie temperatures (Tc) corresponding to temperature changes in the environment of the elements, such that specific inter-elemental auractions coase when the temperature is elevated to specific levels. The invention further comprises use of the system to simulate chemical interactions, and catalysis, wherein the bindings are mapipulated by varying temperature and turbulence, and use of the system as an educational tool, an interactive game, a decoration and a tool for scientific purposes.

